Project Title	Funding	Strategic Plan Objective	Institution
Plasticity in autism spectrum disorders: Magnetic stimulation studies	$14,963	Q1.L.B	Beth Israel Deaconess Medical Center
Recessive genes for autism and mental retardation	$293,376	Q3.L.B	Beth Israel Deaconess Medical Center
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	$303,625	Q4.S.B	Beth Israel Deaconess Medical Center
Supporting the well-being of families of young children with autism spectrum disorders	$393,019	Q4.Other	Boston Medical Center
Computer adaptive testing of adaptive behavior of children and youth with autism	$284,375	Q1.S.A	Boston University
Novel methods for testing language comprehension in children with ASD	$150,000	Q1.S.B	Boston University
Architecture of myelinated axons linking frontal cortical areas	$54,000	Q2.Other	Boston University
Neurobehavioral research on infants at risk for SLI and autism	$710,348	Q1.S.B	Boston University Medical Campus
Autism: The neural substrates of language in siblings	$56,140	Q2.S.G	Boston University Medical Campus
The neural substrates of repetitive behaviors in autism	$54,436	Q2.Other	Boston University Medical Campus
Olivocerebellar circuitry in autism	$756,843	Q3.Other	Boston University Medical Campus
Assessing a participant directed service system for low income children with ASD	$334,359	Q5.Other	Brandeis University
2/5-Elucidating the genetic architecture of autism by deep genomic sequencing	$2,442,659	Q3.S.A	Broad Institue, Inc.
The development of face processing	$529,515	Q1.S.B	Children's Hospital Boston
Electrophysiological, metabolic and behavioral markers of infants at risk	$92,397	Q1.L.A	Children's Hospital Boston
Signatures of gene expression in autism spectrum disorders	$150,000	Q1.L.A	Children's Hospital Boston
Visual system connectivity in a high-risk model of autism	$41,000	Q2.S.D	Children's Hospital Boston
Understanding the cognitive impact of early life epilepsy	$845,000	Q2.S.E	Children's Hospital Boston
The effects of Npas4 and Sema4D on inhibitory synapse formation	$127,500	Q2.Other	Children's Hospital Boston
Human autism genetics and activity-dependent gene activation	$2,474,114	Q3.S.A	Children's Hospital Boston
RNA expression patterns in autism	$739,224	Q3.L.B	Children's Hospital Boston
Gene expression profiling of autism spectrum disorders	$52,000	Q3.L.B	Children's Hospital Boston
Simons Simplex Collection Site	$550,246	Q3.L.B	Children's Hospital Boston
Finding autism genes by genomic copy number analysis	$574,507	Q3.L.B	Children's Hospital Boston
Uncovering genetic mechanisms of ASD	$150,000	Q3.L.B	Children's Hospital Boston
Probing disrupted cortico-thalamic interactions in autism spectrum disorders	$518,375	Q4.S.B	Children's Hospital Boston
International Mental Health/Developmental Disabilities Research Training Program	$188,000	Other	Children's Hospital Boston

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BDNF secretion and neural precursor migration	$0	Q2.Other	Dana-Farber Cancer Institute
CPEA Data Coordinating Center (supplement)	$82,081	Other	DM-STAT, Inc.
Identifying gastrointestinal (GI) conditions in children with autism spectrum disorders (ASD)	$127,500	Q1.L.A	Harvard Medical School
Maternal dietary factors and risk of autism spectrum disorders	$32,000	Q3.L.D	Harvard Medical School
Perturbed activity-dependent plasticity mechanisms in autism	$301,444	Q4.S.B	Harvard Medical School
Cortical mechanisms underlying visual motion processing impairments in autism	$60,000	Q2.Other	Harvard Medical School/McLean Hospital
Maternal risk factors for autism in the Nurses Health Study II – a pilot study	$0	Q3.L.D	Harvard School of Public Health
Connectopathic analysis of autism	$78,150	Q2.S.D	Harvard University
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Harvard University
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Harvard University
Identification of lipid biomarkers for autism	$249,924	Q1.L.A	Massachusetts General Hospital
Multimodal studies of executive function deficits in autism spectrum disorders	$48,954	Q1.L.B	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
Repository for tissues from children with and without autism	$25,000	Q2.S.A	Massachusetts General Hospital
An adult brain-specific mouse model of neuronal TSC inactivation	$60,000	Q2.S.D	Massachusetts General Hospital
Rapid characterization of balanced genomic rearrangements contributing to autism	$49,343	Q2.S.G	Massachusetts General Hospital
Multimodal neuroimaging of white matter in autism	$472,805	Q2.S.G	Massachusetts General Hospital
The mirror neuron system in the monkey and its role in action understanding	$184,470	Q2.Other	Massachusetts General Hospital
MEG investigation of the neural substrates underlying visual perception in autism	$127,081	Q2.Other	Massachusetts General Hospital
Coherence and temporal dynamics in auditory cortex of children with autism	$88,292	Q2.Other	Massachusetts General Hospital
Analysis of the small intestinal microbiome of children with autism	$132,750	Q2.Other	Massachusetts General Hospital
Role of Pam in synaptic morphology and function	$127,497	Q2.Other	Massachusetts General Hospital

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Role of TSC/mTOR signaling pathway in autism and autism spectrum disorders	$172,825	Q3.L.B	Massachusetts General Hospital
Investigation of genes involved in synaptic plasticity in Iranian families with ASD	$0	Q3.L.B	Massachusetts General Hospital
A recurrent genetic cause of autism	$400,000	Q3.L.B	Massachusetts General Hospital
Genes disrupted by balanced genomic rearrangements in autism spectrum disorders	$309,604	Q3.L.B	Massachusetts General Hospital
Genome-wide analyses of DNA methylation in autism	$400,000	Q3.L.B	Massachusetts General Hospital
Comprehensive follow-up of novel autism genetic discoveries	$289,026	Q3.L.B	Massachusetts General Hospital
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Massachusetts General Hospital
Autism Intervention Research Network on Physical Health (AIR-P network)	$3,997,824	Q4.S.A	Massachusetts General Hospital
Quality of life for children with autism spectrum disorders and their parents	$150,000	Q5.Other	Massachusetts General Hospital
The role of the neurexin 1 gene in susceptibility to autism	$0	Q3.L.B	Massachusetts General Hospital/Harvard Medical School
Investigation of postnatal drug intervention's potential in rescuing the symptoms of fragile X syndrome in adult mice	$30,000	Q2.S.D	Massachusetts Institute of Technology
Neural mechanisms for social cognition in autism spectrum disorders	$229,730	Q2.Other	Massachusetts Institute of Technology
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	$49,000	Q2.Other	Massachusetts Institute of Technology
Neural substrate of language and social cognition: Autism and typical development	$47,210	Q2.Other	Massachusetts Institute of Technology
Regulation of synaptogenesis by cyclin-dependent kinase 5	$325,889	Q4.S.B	Massachusetts Institute of Technology
Using Drosophila to model the synaptic function of the autism-linked NHE9	$75,000	Q4.S.B	Massachusetts Institute of Technology
Development of a high-content neuronal assay to screen therapeutics for the treatment of cognitive dysfunction in autism spectrum disorders	$597,637	Q4.S.B	Massachusetts Institute of Technology
Mice lacking Shank postsynaptic scaffolds as an animal model of autism	$253,848	Q4.S.B	Massachusetts Institute of Technology
Neural and cognitive mechanisms of autism	$1,500,000	Q4.S.B	Massachusetts Institute of Technology
Infrastructure support for autism research at MIT	$1,500,000	Other	Massachusetts Institute of Technology
MEG Scanner at Martinos Imaging Center, McGovern Institute	$250,000	Other	Massachusetts Institute of Technology
Autism Theory & Technology	$10,000	Q4.Other	Massachusetts Institute of Technology Media Laboratory

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Using a direct observation assessment battery to assess outcome of early intensive behavioral intervention for children with autism	$30,000	Q1.L.B	New England Center for Children
Influence of oxidative stress on transcription and alternative splicing of methionine synthase in autism	$0	Q2.S.A	Northeastern University
Modulation of neuronal cysteine uptake and redox status by morphine, gluten/casein-derived opiates and naltrexone	$44,000	Q2.S.A	Northeastern University School of Pharmacy
Behavioral intervention in autism: Practitioner skills	$527,107	Q5.L.A	Praxis, Inc.
Prosodic and pragmatic processes in highly verbal children with autism	$37,500	Q1.L.C	President & Fellows of Harvard College
The brain genomics superstruct project	$75,000	Q2.S.G	President & Fellows of Harvard College
Development of mGluR5 antagonists to treat fragile X syndrome and autism	$1,048,100	Q4.Other	Seaside Therapeutics, LLC
Portable guidance in autism spectrum disorder	$282,025	Q1.Other	SymTrend, Inc.
Comprehensive collection, charting, and communication system	$249,940	Other	Symtrend, Inc.
The neural basis of sexually dimorphic brain function	$349,395	Q2.S.B	University of Massachusetts Amherst
A multi-site clinical randomized trial of the Hanen More Than Words Intervention	$340,001	Q4.S.F	University of Massachusetts Boston
Services and outcomes for transition age young adults with autism spectrum disorders: Secondary analysis of the NLTS2 and RSA 911	$100,000	Q6.Other	University of Massachusetts Boston
Quantitative analysis of craniofacial dysmorphology in autism	$68,688	Q1.S.A	University of Massachusetts Medical School
Multimodal analyses of face processing in autism and Down syndrome	$155,270	Q1.Other	University of Massachusetts Medical School
Chromatin alterations in Rett syndrome	$271,798	Q2.S.D	University of Massachusetts Medical School
Behavioral and sensory evaluation of auditory discrimination in autism	$150,220	Q2.Other	University of Massachusetts Medical School
Simons Simplex Collection Site	$30,000	Q3.L.B	University of Massachusetts Medical School
Stimulus structure enhancement of visual symbol detection in AAC	$150,714	Q4.Other	University of Massachusetts Medical School
Guiding visual attention to enhance discrimination learning	$145,437	Q4.Other	University of Massachusetts Medical School
Using CBPR to design & pilot a physical activity program for youth with ASD	$213,706	Other	University of Massachusetts Medical School
Using zebrafish and chemical screening to define function of autism genes	$395,497	Q4.S.B	Whitehead Institute for Biomedical Research